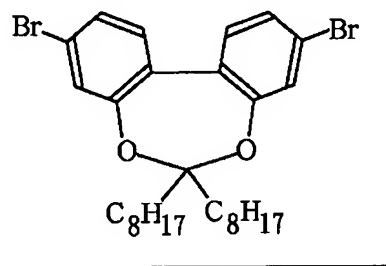


AMENDMENTS TO THE CLAIMS

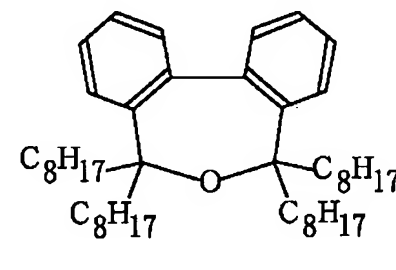
The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A polymeric fluorescent substance adapted for emission of visible fluorescence in a solid state, said polymeric fluorescent substance comprising at least one type of repeating units represented by chemical formula (3-1) or (3-2):

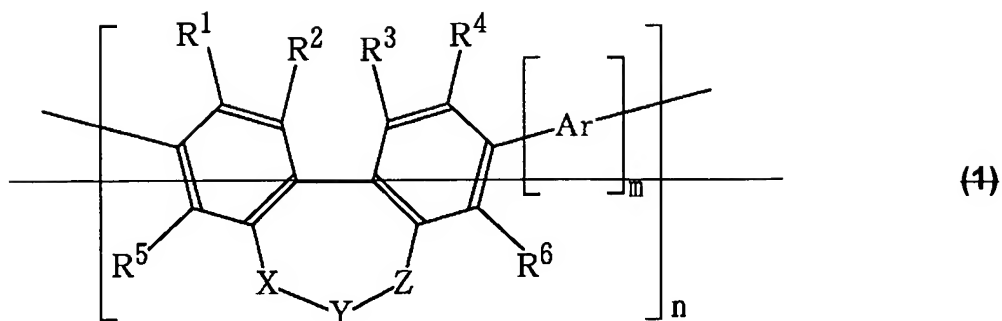


(3-1)



(3-2)

(4) and said polymeric fluorescent substance having a number average molecular weight of 10^3 to 10^8 ~~as determined using polystyrene as a standard:~~



wherein

~~Ar represents an arylene group having 6 to 60 carbon atoms involved in conjugation or a heterocyclic compound group having 4 to 60 carbon atoms involved in conjugation;~~

~~X, Y, and Z represent at least one group selected from the group consisting of an oxygen atom, a sulfur atom, a carbonyl group, a group represented by $C(R)_2$, and a group represented by NR wherein, when X, Y, and Z contain a substituent R, said substituent R and R^1 to R^6 in chemical formula (1) each independently represent at least one group selected from the group consisting of a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkoxy group having 1 to 20 carbon atoms, an alkylthio group having 1 to 20 carbon atoms, an alkylsilyl group having 1 to 60 carbon atoms, an alkylamino group having 1 to 40 carbon atoms, an aryl group having 6 to 60 carbon atoms, an arylalkyl group having 7 to 60 carbon atoms, an arylalkoxy group having 7 to 60 carbon atoms, an arylalkynyl group having 8 to 60 carbon atoms, an arylamino group~~

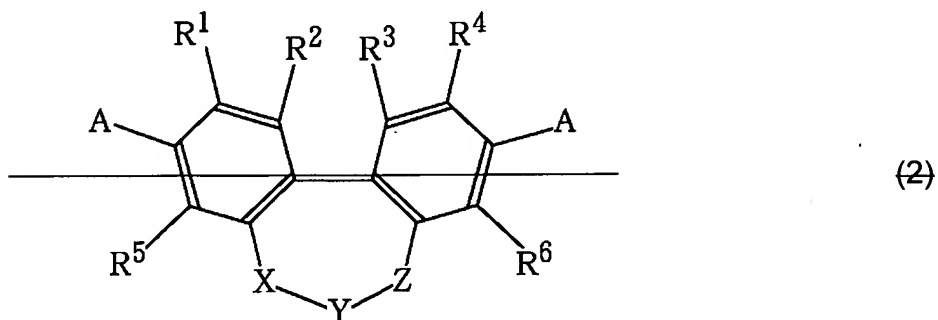
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~~having 6 to 60 carbon atoms, a heterocyclic compound group having 4 to 60 carbon atoms, a cyano group, a nitro group, and a halogen atom;~~

~~_____ m is 0 (zero) or 1.~~

2. (currently amended) A process for producing the polymeric fluorescent substance according to claim 1, comprising the step of polymerizing a monomer represented by chemical formula (3-1) or (3-2) of claim 1 ~~(2) alone~~, or polymerizing said monomer represented by chemical formula (3-1) or (3-2) of claim 1 ~~(2)~~ in combination with an aromatic compound having 6 to 60 carbon atoms involved in conjugation, or with a heterocyclic compound having 4 to 60 carbon atoms involved in conjugation:



wherein

~~_____ A represents a hydrogen atom or a halogen atom; and~~

~~_____ X, Y, Z, and R₁ to R₆ are as defined in formula (1).~~

3. (canceled)

4. (original) An organic electroluminescent element comprising a pair of opposed electrodes, an anode and a cathode, and an organic compound layer interposed between said pair of opposed electrodes, said organic compound layer including a layer containing at least one type of polymeric fluorescent substance as defined in claim 1.

5. (original) The organic electroluminescent element according to claim 4, wherein a layer containing an electron transport compound is provided between said cathode and a luminescent layer.

6. (original) The organic electroluminescent element according to claim 4, wherein a layer containing a hole transport compound is provided between said anode and a luminescent layer.

7. (original) The organic electroluminescent element according to claim 4, wherein a layer containing an electron transport compound is provided between said cathode and a luminescent layer and a layer containing a hole transport compound is provided between said anode and said luminescent layer.